Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

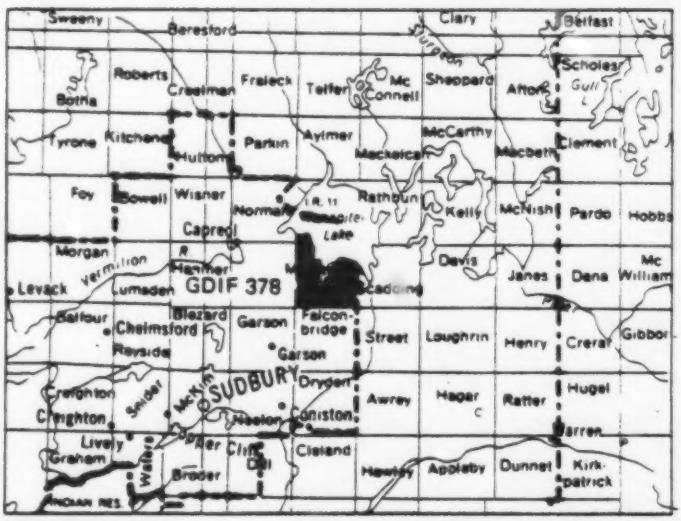
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 378

# MACLENNAN TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury




LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 41 I/10

Mining Claim Map Number M.841

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1987: Maclennan Township Area, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 378, compiled by the staff of the Resident Geologist's Office, Sudbury, 32p. and two maps.

**Original Compilation by:** Jerome, Lucille, December, 1986

| Date | Page Revised | Revised by |
|---|---|---|
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| Date | Page Revised | Revised by |
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Map Scale 1: 31 680 or 1 inch to ½ mile

# CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

| CONVERSION FROM SI TO IMPERIAL | | | CONVERSION FROM IMPERIAL TO SI | | |
|---|---|---|---|---|---|
| *SI Unit* | *Multiplied by* | *Gives* | *Imperial Unit* | *Multiplied by* | *Gives* |
| | | | **LENGTH** | | |
| 1 mm | 0.039 37 | inches | 1 inch | **25.4** | mm |
| 1 cm | 0.393 70 | inches | 1 inch | **2.54** | cm |
| 1 m | 3.280 84 | feet | 1 foot | **0.304 8** | m |
| 1 m | 0.049 709 7 | chains | 1 chain | 20.116 8 | m |
| 1 km | 0.621 371 | miles (statute) | 1 mile (statute) | **1.609 344** | km |
| | | | **AREA** | | |
| 1 $cm^2$ | 0.155 0 | square inches | 1 square inch | **6.451 6** | $cm^2$ |
| 1 $m^2$ | 10.763 9 | square feet | 1 square foot | **0.092 903 04** | $m^2$ |
| 1 $km^2$ | 0.386 10 | square miles | 1 square mile | 2.589 988 | $km^2$ |
| 1 ha | 2.471 054 | acres | 1 acre | 0.404 685 6 | ha |
| | | | **VOLUME** | | |
| 1 $cm^3$ | 0.061 02 | cubic inches | 1 cubic inch | **16.387 064** | $cm^3$ |
| 1 $m^3$ | 35.314 7 | cubic feet | 1 cubic foot | 0.028 316 85 | $m^3$ |
| 1 $m^3$ | 1.308 0 | cubic yards | 1 cubic yard | 0.764 555 | $m^3$ |
| | | | **CAPACITY** | | |
| 1 L | 1.759 755 | pints | 1 pint | 0.568 261 | L |
| 1 L | 0.879 877 | quarts | 1 quart | 1.136 522 | L |
| 1 L | 0.219 969 | gallons | 1 gallon | 4.546 090 | L |
| | | | **MASS** | | |
| 1 g | 0.035 273 96 | ounces (avdp) | 1 ounce (avdp) | 28.349 523 | g |
| 1 g | 0.032 150 75 | ounces (troy) | 1 ounce (troy) | 31.103 476 8 | g |
| 1 kg | 2.204 62 | pounds (avdp) | 1 pound (avdp) | 0.453 592 37 | kg |
| 1 kg | 0.001 102 3 | tons (short) | 1 ton (short) | 907.184 74 | kg |
| 1 t | 1.102 311 | tons (short) | 1 ton (short) | 0.907 184 74 | t |
| 1 kg | 0.000 984 21 | tons (long) | 1 ton (long) | 1016.046 908 8 | kg |
| 1 t | 0.984 206 5 | tons (long) | 1 ton (long) | 1.016 046 908 8 | t |
| | | | **CONCENTRATION** | | |
| 1 g/t | 0.029 166 6 | ounce (troy)/ ton (short) | 1 ounce (troy)/ ton (short) | 34.285 714 2 | g/t |
| 1 g/t | 0.583 333 33 | pennyweights/ ton (short) | 1 pennyweight/ ton (short) | 1.714 285 7 | g/t |

**OTHER USEFUL CONVERSION FACTORS**

| | | |
|---|---|---|
| 1 ounce (troy)/ton (short) | 20.0 | pennyweights/ton (short) |
| 1 pennyweight/ton (short) | 0.05 | ounce (troy)/ton (short) |

**One gram(g) per tonne is equivalent to one part per million (1 ppm).**

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

# DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

| | SOURCES OF DATA | Data | Initial |
|---|---|---|---|
| 1 | Resident Geologist's Office Files | Yes | L.J. |
| 2 | Assessment Files Research Office, Toronto | N.A. | L.J. |
| 3 | ODM General Index; 9 Volumes | Yes | L.J. |
| 4 | Catalogue of Airborne Geophysical Surveys (ODM) | Yes | L.J. |
| 5 | ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars | Yes | L.J. |
| 6 | ODM Industrial Mineral Reports | No | L.J. |
| 7 | Bibliography of Post Precambrian Theses - Karrow (ODM MP 1) | No | L.J. |
| 8 | Bibliography of Precambrian Theses - Ginn (ODM MP 2) | Yes | L.J. |
| 9 | Newspaper Clippings File | Yes | L.J. |
| 10 | GSC Index to Publications | Yes | L.J. |
| 11 | OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77 | Yes | L.J. |
| 12 | OGS Index Maps | Yes | L.J. |
| 13 | Source Mineral Deposit Records (O.G.S.) | Yes | L.J. |
| 14 | Author - Subject Articles File | Yes | L.J. |
| 15 | Miscellaneous Papers: ODM & OGS | Yes | L.J. |
| 16 | ODM Geological Circulars: OGS Study Series | Yes | L.J. |
| 17 | ODM Preliminary Reports: ODM Bulletins | No | L.J. |
| 18 | ODM – OGS Open File Reports | Yes | L.J. |
| 19 | OGS Northern Ontario Engineering Geology Terrain Studies | Yes | L.J. |
| 20 | OGS Aggregate Resources Inventory Papers | N.A. | L.J. |
| 21 | OGS Mineral Potential Maps | Yes | L.J. |
| 22 | Theses on File, Sudbury | Yes | L.J. |
| 23 | Aerial Photographs on File, Sudbury | Yes | L.J. |

# METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- ▲ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- ▲ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- ▲ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt . . . . . Garnet
- △ goe . . . . . Goethite
- ▲ Au . . . . . Gold
- △ gf . . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- ▲ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- ▲ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- ▲ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- ▲ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- △ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd . . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- ▲ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . Zinc
- △ zr. . . . . Zircon

**Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.**

# MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| A | Bonanza Gold Mine | Au | Si 1 | MDC 18 pp. 73-74 | GR 2, p. 28<br>OFR 5156, p. 261 |
| B | Chevrette, E. | U | | MRC 9, p. 85<br>MDC 25, p. 119 | |
| C | Maclennan Mine | po, pent, cp | Ni 10 | MRC 12, p. 268 | Royal Ontario Nickel Commission pp. 50-51 |
| D | Maclennan Township Occurrence | Au | -- | -- | O.G.S. Map 2361 |
| E | Massey Bay | U, py | U 3 | MRC 9, p. 86<br>MDC 25, p. 119 | GR 2, pp. 10, 30 |
| F | Nickel Rim Mine | Cu, Ni | Ni 7 | MRC 2, p. 97<br>MRC 12, pp. 254, 266 | GR 2, pp. 4, 25-27, Map 2009<br>Royal Ontario Nickel Commission (1917), pp. 49-50 |
| G | Picton-Leclerc Property | U, py | U 1 | MRC 9, p. 78<br>MDC 25, p. 107 | GR 2, pp. 29-30 |
| H | Sheppard Gold Discovery, Sheppard Mine | cp, asp, Au | Au 8 | MRC 2, p. 93<br>MRC 12, p. 268<br>MDC 18, pp. 108-109 | AR Vol 7, p. 138<br>OFR 5156, p. 263 |
| I | Sheppard, T. | py, Au | -- | -- | Sudbury Assessment Files: Sheppard, T. |
| J | Skead Gold Mine, Skead Prospect | cp, Au | Au 9 | MDC 18, p. 74 | GR 2, p. 27 |
| K | Victor Mine | po, cp | Ni 8 | -- | GR 2, Map 2009, Royal Ontario Nickel Commission (1917), p. 50 |

GDIF FORM NO. 1

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | SHAFT WORK | PRODUCTION | OTHER |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 1 | Billoki, J. J., Bonanza Property | 56 | | | 56 | 56 | | | | | | | | | | | | | | |
| 2 | Blanchard, E., Bonanza Property | | | 69-71 | 68 | | | | | | | | | | | | | | | |
| 3 | Bonanza Gold Mine, Mammoth (Falconbridge Nickel Mines, Bonanza Nickel Mining Co. of Sudbury, Boland, J.) | | | | 1895 56 | 56 | | | | | | | | | | | | 1888-97 | | 1888[1] |
| 4 | Burton, M. | | | | 75 | | | | | | | | | | | | | | | |
| 5 | Canadian Nickel Company Ltd. | | | | | | | | 81 | 81 | 81 | | | | | | | | | |
| 6 | Charlton, F. C. | 81 | | | | | | | | | | 81 | 81 | | | | | | | |
| 7 | Chevrette, E. | | | | | 52 | | | | | | | | | | | | | | |
| 8 | El Pen-Rey Mines and Oils Ltd. | 57 | | | | | | | | | | 57 | | | | | | | | |
| 9 | Falconbridge Nickel Mines Ltd. | 50 51 | | | 50-57 66 68 | | | | 52 | | | 50 51 | 51[2] | | | | | | | |
| 10 | Hollinger Mines Ltd. | | | | 76 | | | | | | | | | | | | | | | |

GDIF FORM NO. 2

MACLENNAN TOWNSHIP

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY | COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | SHAFT WORK | PRODUCTION | OTHER |
| 11 | International Nickel Company of Canada Ltd. | | | | 50-52 67 68 | | | | | | | | | | | | | | | |
| 12 | Jamaica International Exploration Ltd., Leclerc and Norbin Property | | | | 58 | | | | | | | | | | | | | | | |
| 13 | Johnston, E. W. | | | | 57 | | | | | | | | | | | | | | | |
| 14 | Johnston, J. | | | | | | | | | | | | | | | | | 23 | | |
| 15 | Kennco Explorations Ltd. | | | | | | | | 68 | 68 | | | | | | | | | | |
| 16 | Kosciuszko, J. | | | 71 | | | | | | | | | | | | | | | | |
| 17 | Leclerc Property | 54 | | | | 54 | | | | | | | | 54[3] | | | | | | |
| 18 | Maclennan Mine (International Nickel Company, Canadian Copper Company, Boland, A. and Dennie, F.) | | | | 65-70 | | 65-70 | | | | | | | | | | | 65-70 | 65-70 | 02[1] 07[1] 44-61[4] 64[5] |
| 19 | Mangotich, G. | | | 71 | | | | | | | | | | | | | | | | |

GDIF FORM NO. 2

5

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY<br>COMPANY/AUTHOR (file number) | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | SHAFT WORK | PRODUCTION | OTHER |
| 20 | Massey Bay (Ont. Dept. of Mines and Natural Resources) | | | | | 60 | | | | | | | | | | | | | | |
| 21 | Nalgar Nickel Mines Ltd. | | | | 57 | | | | | | | | | | | | | | | |
| 22 | Nickel Rim Mine, Moose Lake Mine (Falconbridge Nickel Mines Ltd., Nickel Rim Mines Ltd., East Rim Nickel Mines Ltd., Ontario Nickel Mines Ltd., McVittie-Graham Mines Ltd., Woods, R., Watson, J., and Fitton, C.) | 49<br>52 | | 1890-<br>91<br>29 | 28<br>29<br>43-<br>47<br>51-<br>53<br>55-<br>58 | 49<br>52<br>57 | 29<br>42<br>43<br>45-<br>47<br>51-<br>53<br>55-<br>58 | 52<br>57 | | | | 29[3] | | | | | | 28<br>29<br>51-<br>53<br>55-<br>57 | 14-<br>18<br>42<br>43<br>45-<br>47<br>52<br>53<br>55-<br>58 | 1890[1]<br>42[6] |
| 23 | Ontario Ltd. 592742, Brown, P.A.R., and Graham, R. J. | | | | | | | | 84 | 84 | | | | | | | | | | |
| 24 | Pan Canadian Dev. Co. Ltd. (Ryanor Mining Co. Ltd.) | | | | 61 | | | | | | | | | | | | | | | |
| 25 | Picton Uranium Mines Ltd. | 55 | | | 55 | 55 | | | | | | | | | | | | | | |

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | SHAFT WORK | PRODUCTION | OTHER |
| | COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | |
| 26 | Sheppard Gold Discovery, Sheppard Mine (Sheppard, T., MacIsaac Mining and Tunnelling, Cowaching Mines Ltd.) | 81<br>83<br>85 | | 1889<br>81<br>83<br>85 | 83 | 1889<br>81<br>82<br>83<br>85 | | | | | | | 81<br>85 | | | | | 1889[8] | 1889-90 | 1888[1]<br>81[7] |
| 27 | Skead Gold Mine, Skead Prospect (Falconbridge Nickel Mines Ltd., Glendinning, G., and McBride) | 33 | | 33 | | 46 | 33 | | | | | | | | | | | 33 | 46 | 46[9] |
| 28 | Victor Mine, Blue Lake Mine (International Nickel Company, British America Nickel Corp., Lake Superior Power Co., Algoma Commercial Co., MacDonald, G., and Leslie, J.) | | | 1890-1900<br>01-02 | 01-02<br>06<br>13-16<br>50s | | 59-60 | | | | | 01[3]-02 | | | | | | 59-60 | 60 | 1890[1] |

[1] Discovery

[2] No significant anomaly

[3] No data

GDIF FORM NO. 2

| TYPE OF WORK | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY<br>COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | SHAFT WORK | PRODUCTION | OTHER |
| [4]Exploration | | | | | | | | | | | | | | | | | | |
| [5]Open pit development | | | | | | | | | | | | | | | | | | |
| [6]Dewater mine | | | | | | | | | | | | | | | | | | |
| [7]Channel sampling | | | | | | | | | | | | | | | | | | |
| [8]Adit | | | | | | | | | | | | | | | | | | |
| [9]Dewater Skead Mine | | | | | | | | | | | | | | | | | | |

GDIF FORM NO. 2

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden Feet | Total Length of Hole Feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Billoki, J. J. | 1 | 1956 | 255 | 45 | 4 | 168 | | si, Au |
| 2 | | 2 | 1956 | 255 | 45 | 4 | 159 | ep, jas, chlorite | si, Au |
| 3 | Blanchard, E. | 1 | 1968 | | 45 | 12 | 160 | | |
| 3a | | 2 | 1968 | | 45 | 12 | 165 | | |
| 4 | Bonanza Gold Mine | ? | 1956 | 2 holes | | | | | |
| 4a | (Falconbridge Nickel Mines, Ont. Gov't drill) | ? | 1895 | 2 holes | total | length 296' | | | |
| 5 | Burton, M. | 1 | 1975 | 250 | 45 | 0 | 126 | py | |
| 6 | Falconbridge Nickel Mines Ltd. | McL-XC-1 | 1950 | | 90 | 2 | 280 | py | |
| 7 | | McL-XC-4 | 1950 | | 90 | 4 | 280 | po | |
| 8 | | M-XC-4 | 1951 | 170 | 65 | 0 | 160 | py, po | |
| 8a | | M-XC-5 | 1951 | 170 | 65 | 0 | 160 | py, po | |
| 8b | | M-XC-6 | 1951 | 170 | 65 | 0 | 160 | py, po | |
| 9 | | M-XC-7 | 1951 | 360 | 60 | 0 | 360 | py | |
| 10 | | M-XC-8 | 1951 | 350 | 45 | 0 | 360 | cp, py | |
| 11 | | M-XC-9 | 1951 | 035 | 47 | 0 | 160 | | |
| 12 | | M-XC-10 | 1951 | 310 | 45 | 0 | 120 | py | |
| 13 | | M-XC-1 | 1952 | 030 | 45 | 0 | 361 | py, mar | |
| 14 | | M-XC-2 | 1952 | 360 | 45 | 0 | 360 | | |
| 12a | | M-XC-3 | 1952 | 218 | 42 | 0 | 120 | py | |
| 8c | | M-XC-4 | 1952 | 140 | 55 | 0 | 280 | | |
| 15 | | M-XC-6 | 1952 | 360 | 60 | 0 | 360 | py | |
| 16 | | M-XC-7 | 1952 | 360 | 70 | 0 | 160 | py | |
| 17 | | M-XC-1 | 1953 | 070 | 45 | 0 | 360 | py, ep, mag | |
| 17a | | M-XC-2 | 1953 | 065 | 50 | 0 | 320 | py, ep, mag, cp | |
| 17b | | M-XC-3 | 1953 | 160 | 46 | 0 | 360 | ep, py, cp, chlorite | |
| 18 | | M-XC-4 | 1953 | 270 | 48 | 0 | 87 | py | |
| 19 | | M-XC-5 | 1953 | 340 | | 0 | 273 | | |
| 20 | | M-XC-6 | 1953 | 120 | 60 | 0 | 160 | | |
| 21 | | M-XC-7 | 1953 | 270 | 50 | 0 | 360 | cp, py, mar | |
| 17c | | M-XC-1 | 1954 | 250 | 55 | 0 | 360 | py, ep, chlorite | |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden Feet | Total Length of Hole Feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 17d | Falconbridge, cont'd | M-XC-2 | 1954 | 050 | 50 | 0 | 123 | py | |
| 17e | | M-XC-3 | 1954 | 050 | 60 | 0 | 198 | py, ep, chlorite | |
| 17f | | M-XC-4 | 1954 | 045 | 45 | 0 | 220 | py | |
| 17g | | M-XC-5 | 1954 | 045 | 60 | 0 | 140 | py | |
| 22 | | M-XC-7 | 1954 | 120 | 50 | 0 | 160 | py, cp | |
| 21a | | M-XC-8 | 1954 | 240 | 55 | 0 | 195 | py | |
| 21b | | M-XC-9 | 1954 | 240 | 50 | 0 | 165 | py | |
| 23 | | M-XC-10 | 1954 | 010 | 55 | 0 | 360 | | |
| 24 | | M-XC-8 | 1954 | 180 | 65 | 0 | 250 | ep, cp | |
| 24a | | M-XC-9 | 1954 | 180 | 50 | 0 | 110 | | |
| 25 | | M-XC-1 | 1955 | 220 | 43 | 0 | 360 | py, cp | |
| 17h | | M-XC-2 | 1955 | 045 | 48 | 0 | 320 | ep, mag, chlorite | |
| 17i | | M-XC-3 | 1955 | 090 | 45 | 0 | 240 | | |
| 17j | | M-XC-1 | 1956 | 160 | 70 | 3 | 360 | hem, jas | |
| 17k | | M-XC-2 | 1956 | 360 | 75 | 4 | 288 | ep, jas | |
| 17l | | M-XC-3 | 1956 | 360 | 85 | 4 | 273 | ep, hem, jas | |
| 26 | | M-XC-1 | 1957 | | 45 | 5 | 325 | ep, jas, hem | |
| 26a | | M-XC-2 | 1957 | | 43 | 5 | 235 | ep, jas, hem | |
| 17m | | M-XC-3 | 1957 | | 80 | 0 | 295 | ep, hem, talc | |
| 17n | | M-XC-4 | 1957 | | 75 | 0 | 66 | | |
| 27 | | MAC-36 | 1966 | 150 | 45 | 4 | 202 | | |
| 28 | | MAC-37 | 1966 | 090 | 60 | 0 | 200 | py, ep | |
| 28a | | MAC-38 | 1966 | 090 | 80 | 0 | 203 | py, ep | |
| 29 | | MAC-77 | 1968 | | 90 | 20 | 206 | py, po, hem | |
| 21c | | M-XC-1 | ? | 300 | 45 | 0 | 360 | cp, po, py, mar | |
| 23a | | M-XC-2 | ? | 340 | 45 | 0 | 367 | | |
| 30 | Hollinger Mines Ltd. | MCL2-1-76 | 1976 | | 90 | 2 | 571 | po, py | U |
| 31 | International Nickel Company of Canada Ltd. | 7497 | 1950 | 060 | 60 | 0 | 605 | | |
| 32 | | 7482 | 1950-51 | • | 90 | 181 | 3617 | ep, carb, chlorite | |
| 33 | | 7484 | 1950-52 | | 90 | 10 | 3609 | ep | |
| 34 | | 29365 | 1967 | 315 | 60 | 18 | 523 | | |
| 34a | | 29366 | 1967 | 270 | 55 | 32 | 135 | hem | |

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden Feet | Total Length of Hole Feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 34b | International Nickel Company of Canada Ltd., cont'd | 29367 | 1967 | 315 | 60 | 30 | 574 | | |
| 34c | | 29367-1 | 1968 | 315 | 50 | 0 | 560 | | |
| 35 | Jamaica International Exploration Ltd., and Leclerc & Morbin | 1 | 1958 | | | 0 | 49 | po | |
| 36 | | 2 | 1958 | | | 0 | 62 | po | |
| 37 | | 1 | 1958 | | 90 | 0 | 30 | | |
| 37a | | 2 | 1958 | 225 | 20 | 0 | 97 | | |
| 38 | Johnston, E. W. | 1 | 1957 | 007 | 46 | 17 | 50 | chlorite | |
| 39 | | 2 | 1957 | 315 | 38 | 4 | 550 | py, biotite | |
| 40 | Maclennan Mine | ? | 1965 | 24 holes - total length | | | 6625' | | |
| 41 | (International Nickel Co.) | ? | 1966-69 | 230 holes - total length | | | 51,144', underground drilling | | |
| 40a | | ? | 1970 | 36 holes - total length | | | 15,241' | | |
| 41a | | ? | 1970 | 54 holes - total length | | | 9034', underground drilling | | |
| 42 | Nalgar Nickel Mines Ltd. | 1 | 1957 | 270 | 70 | 22 | 300 | py | |
| 43 | | 2 | 1957 | 270 | 50 | 0 | 66 | | |
| 43a | | 3 | 1957 | 271 | 59 | 6 | 88 | py | |
| 43b | | 4 | 1957 | 271 | 70 | 7 | 587 | py | |
| 42a | | 5 | 1957 | 095 | 50 | 7 | 337 | | |
| 44 | | 6 | 1957 | 135 | 58 | 0 | 155 | | |
| 45 | | 8 | 1957 | 235 | 22 | 0 | 41 | | |
| 46 | Nickel Rim Mine | 1 | 1955 | 140 | 45 | 3 | 725 | py | |
| 47 | (Nickel Rim Mines, East Rim | 2 | 1955 | 090 | 45 | 10 | 401 | | |
| 48 | Nickel Mines, Ontario | SB3 | 1956 | 280 | 45 | 7 | 595 | | |
| 49 | Nickel Mines, McVittie- | SB4 | 1956 | 050 | 45 | 5 | 547 | | |
| 50 | Graham Mines Ltd.) | SB5 | 1957 | 090 | 45 | 0 | 365 | py | |
| 50a | | SB6 | 1957 | 270 | 45 | 0 | 234 | | Cu, Ni |
| 51 | | ? | 1951-58 | 79 holes - total length | | | 33,549' | | |
| 52 | | ? | 1951-58 | 498 holes - total length | | | 67,424', underground drilling | | |
| 51a | | ? | 1943-47 | 25 holes - total length | | | 6,608' | | |
| 52a | | ? | 1943-47 | 64 holes - total length | | | 16,729', underground drilling | | |
| 51b | | ? | 1928-29 | surface drilling - no data | | | | | |

GDIF FORM NO.

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden Feet | Total Length of Hole Feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 52b | Nickel Rim Mine, cont'd | ? | 1928-29 | 12 holes | - total | length | 1593', | underground drilling | |
| 53 | Pan Canadian Dev. Co. Ltd. | 1 | 1961 | | 90 | 117 | 405 | carb, ep | |
| 53a | (Ryanor Mining Co. Ltd.) | 2 | 1961 | 280 | 65 | 141 | 742 | py | |
| 54 | Picton Uranium Mines | 1 | 1955 | | | 0 | 116 | py, cp, po | U |
| 54a | | 2 | 1955 | 090 | 45 | 0 | 295 | py | |
| 54b | | 3 | 1955 | 260 | 45 | 0 | 121 | py | |
| 55 | Sheppard, T. | 1 | 1983 | 333 | 45 | 0 | 23 | asp | |
| 55a | | 2 | 1983 | | 90 | 0 | 45 | py | |
| 55b | | 3 | 1983 | 333 | 75 | 0 | 62 | py | |
| 55c | | 4 | 1983 | 063 | 45 | 0 | 118 | py | |
| 56 | Victor Mine, Blue Lake Mine | ? | 1950s | no data | | | | | |
| 56a | (International Nickel | ? | 1913-16 | no data | | | | | |
| 56b | Company, British America | ? | 1906 | no data | | | | | |
| 56c | Nickel Corp., Lake Superior Power Co., Algoma Commercial Co.) | ? | 1901-02 | 7 holes - | no logs | or locations | | | |

MACLENNAN TOWNSHIP

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden Feet | Total Length of Hole Feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

GDIF FORM NO. 3

## AIRBORNE GEOPHYSICAL SURVEY DATA

| No. | By / For | Type of Survey | Flight Altitude | Flight Line Direction | Flight Line Spacing |
|---|---|---|---|---|---|
| 5 | Canadian Nickel Company Ltd.<br>Canadian Nickel Company Ltd. | Magnetic<br>Electromagnetic<br>Radiometric[1] | 120 m | E - W | 200 m |
| 9 | Aeromagnetic Surveys Ltd.<br>Falconbridge Nickel Mines Ltd. | Magnetic | ? | NE - SW | 660' |
| 15 | Questor Surveys Ltd.<br>Kennco Explorations Ltd. | Magnetic<br>Electromagnetic | 400' | NE - SW | 1000' - 1200 |
| 23 | Aerodat Limited<br>592742 Ontario Ltd. | Magnetic<br>Electromagnetic | 60 m | N31E | 100 m |

[1] No significant anomaly

GDIF FORM NO.

MACLENNAN TOWNSHIP

| Map Sample Site Reference Number | GEOCHEMICAL SURVEY DATA | | By | Reference |
|---|---|---|---|---|
| | Type of Survey | Analysis For | | |
| | | | | |

GDIF FORM N

# MISCELLANEOUS DATA

## AGE DATING

| Site | Method | Material | Reference | Result |
|---|---|---|---|---|
| | | | | |

GDIF FORM NO.6

# NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Bonanza Nickel Mining Company

| | |
|---|---|
| Sudbury Journal | May 28, 1891<br>June 4, 1891<br>October 27, 1892 |

Hollinger Mines

| | |
|---|---|
| Sudbury Star | February 21, 1978<br>March 8, 1979 |

Nickel Rim Mines

| | |
|---|---|
| Northern Miner | February 23, 1967 |

Ryanor Mining

| | |
|---|---|
| Northern Miner | March 9, 1961 |

Sheppard Gold Property

| | |
|---|---|
| Sudbury Star | February 15, 1928 |

# ODM GENERAL INDEX SEARCH

**Words searched:**

ALGOMA COMMERCIAL COMPANY
BILLOKI, J. J.
BLANCHARD, E.
BLUE LAKE
BOLAND, A.
BOLAND'S BAY
BONANZA GOLD MINE
BONANZA LAKE
BONANZA NICKEL MINING COMPANY OF SUDBURY
BRITISH AMERICA NICKEL CORP.
BURTON, M.
CANADIAN COPPER COMPANY

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 7 | Blue Lake, Maclennan Tp. | | | |
| | Rocks | GR2 | | 9 |
| 1 | Blue Lake, Maclennan and Capreol tps. | 11 | | 289 |
| | Glaciation near | 14 | 3 | 102 |
| | Iron pyrites | 14 | 3 | 158 |
| | Nickel | 14 | 3 | 15,73,74 |
| | mining. See Blue Lake Nickel Mine | | | |
| | Ores in region of, character | 11 | | 274 |
| | Pyrite crystals in ore from | 4 | | 281 |
| | Pyrrhotite | 12 | | 237 |
| | Rocks on and near | 13 | 1 | 203 |
| | diabase | 14 | 3 | 10, 115 |
| | | 12 | | 298 |
| | nickel eruptive | 14 | 3 | 85 |
| | | 11 | | 284 |
| | norite | 12 | | 273 |
| | structure | 14 | 3 | 112 |
| | | 14 | 3 | 81 |
| 1 | Blue Lake Nickel Mine, Maclennan Tp. | | | |
| | Rocks | 12 | | 273,274 |
| | Work at (1901) | 11 | | 284-286 |
| 2 | Blue Lake Nickel Mine, Maclennan Tp. | | | |
| | Acquired by British America Nickel Corp. | N.C. | | A126 |
| | Classification, compared with other nickel mines | N.C. | | A120,127 |
| 2 | Boland nickel claim, Maclennan Tp. | | | |
| | Ore body, notes | N.C. | | R203 |
| 9 | Boland's Bay, Wanapitei Lake | | | |
| | Maclennan Tp., Sudbury Dist. | GR181 | | 14,16,92 |
| 9 | Bonanza Mine | | | |
| | Maclennan Tp., Sudbury Dist. | MDC18 | | 73-74 |
| | | MP82 | | 112,114 |
| 1 | Bonanza Nickel Mining Co. | | | |
| | Capital and date of charter | 7 | | 7 |
| | Mammoth gold mine worked by | 5 | | 4,190, 229 |
| | Work by, Maclennan Tp. | 4 | | 234 |
| | | 5 | | 4 |
| | Wanapitei Lake | 7 | | 128 |



GDIF FORM NO. 8

# ODM GENERAL INDEX SEARCH

**Words searched:**

CANADIAN NICKEL COMPANY
CHARLTON, F.
CHEVRETTE, E.
COWACHING MINES LTD.
DENNIE, F.
EAST RIM MINES LTD.
EL PEN-REY MINES & OILS LTD.
FALCONBRIDGE NICKEL MINES
FITTON, C.
GLENDINNING, G.
HOLLINGER MINES LTD.
INCO

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 1 | British America Nickel Corpn. | | | |
| | Capital and date of license | 23 | 1 | 42 |
| | Dominion Nickel Copper Co.'s holdings bought by | 22 | 1 | 25 |
| | Officers | 23 | 1 | 121 |
| | Work by | 23 | 1 | 121 |
| 9 | Burton, M. | | | |
| | Wanapitei L. area, Sudbury Dist. | MP82 | | 112 |
| 1 | Canadian Copper Co. | | | |
| | Capital and date of charter | 9 | | 10 |
| 5 | Canadian Copper Co. Ltd. | | | |
| | Dividends (1894-1901) | 60 | 1 | 29 |
| 3 | Canadian Nickel Co. Ltd. | | | |
| | Incorporated | 46 | 1 | 59 |
| 1 | Commercial Mining Co. of Algoma | | | |
| | Blue Lake Nickel Mine acquired | 11 | | 285 |
| | | 12 | | 273 |
| | Capital and date of charter | 7 | | 8 |
| 2 | Dennie, Frank | | | |
| | Nickel discoveries, Maclennan Tp. | N.C. | | R50 |
| 4 | El Pen-Rey Mines Ltd. | | | |
| | Change of name | 59 | 1 | 46 |
| 5 | East Rim Nickel Mines Ltd. | | | |
| | Capital; officers; operations : | | | |
| | (1951) | 61 | 2 | 87 |
| | (1952) | 62 | 2 | 93 |
| | (1953) | 63 | 2 | 114 |
| | Incorporated | 60 | 1 | 44 |
| | Name changed | 64 | 1 | 60 |
| 7 | East Rim Nickel Mines Ltd. | | | |
| | East Rim Mine, Maclennan Tp. report on (1954) | MRC1 | | 49 |
| 2 | Falconbridge Mines Ltd. | | | |
| | Capital and license | 28 | 1 | 85 |

# ODM GENERAL INDEX SEARCH

**Words searched:**

INTERNATIONAL NICKEL COMPANY OF CANADA
JAMAICA INTERNATIONAL EXPLORATION
JOHNSTON, E. W.
KENNCO EXPLORATIONS LTD.
KOSCIUSZKO, J.
LAKE SUPERIOR POWER CO.
LECLERC PROPERTY
LESLIE, J.
MCBRIDE
MACLENNAN MINE
MACLENNAN TOWNSHIP
MACDONALD, G.

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 7 | Falconbridge Nickel Mines Ltd. | | | |
| | Gold claims, Maclennan Tp. | GR2 | | 27, 28 |
| 2 | Fitton, Charles E. | | | |
| | Nickel discovery, Pyrrhotite Lake | N.C. | | R49 |
| 9 | Hollinger Mines Ltd. | | | |
| | Wanapitei L. area, Sudbury Dist. | MP82 | | 112 |
| 9 | Inco Ltd. | | | |
| | Wanapitei L. area, Sudbury Dist. | MP90 | | 105 |
| | | MP82 | | 111 |
| 7 | International Nickel Co. of Canada | | | |
| | Exploration: | | | |
| | Maclennan Tp. | GR2 | | 4 |
| 5 | Jamaica International Explorations Ltd. | | | |
| | Incorporated | 63 | 1 | 57 |
| 2 | Johnston gold claims, Maclennan Tp. | | | |
| | Development work | 33 | 7 | 22 |
| 9 | Kennco Expl. (Canada) Ltd. | | | |
| | Wanapitei L. area, Sudbury Dist. | MP82 | | 111,112, 114 |
| 2 | Leslie, John K. | | | |
| | Patentee, nickel claim, Maclennan Tp. | N.C. | | R50 |
| 9 | Maclennan Mine | | | |
| | Maclennan Tp., Sudbury Dist. | | | |
| | report on property | MPBP4 | | 82 |
| 8 | Maclennan Mine, Inco | | | |
| | Maclennan Tp., Sudbury Dist. | AR74 | | 100 |
| | | AR75 | | 98-99 |
| | | AR76 | | 114 |
| | | AR77 | | 105 |
| | | AR78 | | 75 |
| | | AR79 | | 81 |
| | | AR80 | | 79 |



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# ODM GENERAL INDEX SEARCH

**Words searched:**

MACISAAC MINING & TUNNELLING
MCVITTIE-GRAHAM MINES LTD
MANGOTICH, G.
MASSEY BAY
MOOSE LAKE
MORBIN & LECLERC
NALGAR NICKEL MINES
NICKEL RIM MINE
NICKEL RIM MINES
ONTARIO NICKEL MINES
PAN CANADIAN DEV. CO. LTD.
PICTON-LECLERC

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 1 | Maclennan Tp. | | | |
| | Gold, boring for | 5 | | 4, 190 |
| | | | | 229 |
| | | 10 | | 51 |
| | Nickel | 11 | | 284 |
| | | 12 | | 273,276 |
| | Rocks, diabase | 14 | 3 | 73 |
| | nickel eruptive | 14 | 3 | 62 |
| | Swamps | 14 | 3 | 7 |
| | Terraces | 14 | 3 | 106 |
| 2 | Maclennan Tp., Sud. | | | |
| | Gold mg. | 33 | 7 | 22 |
| | Igneous rocks, analysis | 24 | 8 | 21 |
| | Keweenawan intrusion | 24 | 8 | 4, 25 |
| | Nickel | N.C. | | R203 |
| | discoveries | N.C. | | R50,51 |
| | drilling for | N.C. | | R185 |
| 3 | Prospecting in | 39 | 1 | 147 |
| 6 | Faults | 65 | 3 | 37 |
| | | 66 | 6 | 18 |
| | Rhyolite breccia, notes and photo | 65 | 3 | 27,28 |
| | Rhyolite dike | 65 | 3 | 73 |
| 7 | Maclennan Township, Sud. | | | |
| | Geology and mineral deposits, report and map | GR2 | | |
| | Gold | GR2 | | 27, 28 |
| | Rocks | GR1 | | 9 |
| | Uranium | GR2 | | 29 |
| | Mining claims | GR1 | | 34 |
| 8 | Maclennan Tp., Sudbury Dist. | | | |
| | Nickel/copper | MRC12 | | 254-255 |
| | Sand & gravel | MP43 | | 60 |
| | Uranium | MRC9 | | 78 |
| 9 | Maclennan Tp., Sudbury Dist. | | | |
| | Chalcopyrite | MP70 | | 105 |
| | Geology (Quarternary) of the Sudbury Basin area | GR181 | | |
| | Gold | MDC18 | | 73-74, 108-109 |
| | Pyrrhotite | MP70 | | 312 |
| | Sand & gravel | GR181 | | 48,90-93 |

# ODM GENERAL INDEX SEARCH

**Words searched:**

PICTON URANIUM MINES
PYRRHOTITE LAKE
REDROCK POINT
RIVERS, E. J.
SHEPPARD MINE
SHEPPARD, T.
SKEAD
SKEAD GOLD MINE
TOMROSE MINES LTD.
URANIUM PROSPECTS
VICTOR MINE
WANAPITEI LAKE

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 2 | MacDonald, Geo. S. | | | |
| | Interested in nickel mg., Maclennan Tp. | N.C. | | R50 |
| 5 | MacIsaac Mining and Tunnelling Co. Ltd. | | | |
| | Incorporated | 63 | 1 | 58, 59 |
| 1 | McVittie, William | | | |
| | Blue Lake Nickel Mine owned by | 11 | | 285 |
| 3 | McVittie-Graham Mines Ltd. | | | |
| | Capital; officers; operations | | | |
| | (1928) | 38 | 1 | 165 |
| | (1929) | 39 | 1 | 147 |
| | Incorporated | 38 | 1 | 55 |
| 7 | McVittie-Graham Mines Ltd. | | | |
| | Nickel mg., Maclennan Tp. | GR2 | | 25 |
| 4 | McVittie-Graham Mining Co. Ltd. | | | |
| | Incorporated | 54 | 1 | 46 |
| 1 | Mammoth Gold Mine, Maclennan Tp. | | | |
| | Boring in, with Gov't drill | 5 | | 4, 190 |
| | | 10 | | 51 |
| | notes | 5 | | 229 |
| | Work at (1897) | 7 | | 138 |
| 1 | Massey Bay, L. Wanapitei | | | |
| | Rocks, notes and photos | GR2 | | 8-12, 20 |
| | radioactive | GR2 | | 10,24,30 |
| | Unconformity, Huronian | GR2 | | 22, 23 |
| | Uranium mg. property | GR1 | | 35 |
| 9 | Massey Bay, Wanapitei Lake | | | |
| | Maclennan Tp., Sudbury Dist. | GR181 | | 14-48 |
| 7 | Moose Lake, Maclennan Tp. | | | |
| | Copper mg. near | GR2 | | 25 |
| 4 | Moose Lake Nickel-copper Mine, Maclennan Tp. | | | |
| | History | 52 | 1 | 220 |
| | Operations (1942) | 52 | 1 | 220 |
| | (1943) | 53 | 1 | 188 |
| | (1945) | 55 | 2 | 93 |
| | (1946) | 56 | 2 | 104 |
| | (1947) | 57 | 2 | 105 |



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# ODM GENERAL INDEX SEARCH

**Words searched:**

WATSON, J.
WOODS, R.

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|---|---|---|---|---|
| 3 | Moose Lake Nickel-copper Mine, Maclennan Tp. | | | |
| | Operations (1928) | 38 | 1 | 164 |
| | (1929) | 39 | 1 | 147 |
| 3 | Moose Mountain-Wanapitei Area, Sud. | | | |
| | Report on, by L. F. Kindle | 41 | 4 | 29-49 |
| 6 | Nalgar Nickel Mines, Ltd. | | | |
| | Incorporated | 66 | 1 | 33 |
| 6 | Nickel Rim Mines, Ltd. | | | |
| | Capital; officers; operations | | | |
| | (1955) | 65 | 2 | 119,120 |
| | (1956) | 66 | 2 | 118 |
| | (1957) | 67 | 2 | 122 |
| | (1958) | 68 | 2 | 89,90 |
| 7 | Nickel Rim Mines, Ltd. | | | |
| | Nickel mine, Maclennan Tp. | | | |
| | Photo | GR2 | | 25 |
| | Property reports | GR2 | | 25-27 |
| | | MRC2 | | 97 |
| | Section and plan with | GR2 | | |
| 5 | Ontario Nickel Mines Ltd. | | | |
| | Property acquired by East Rim Nickel Mines Ltd. | 61 | 2 | 87 |
| 5 | Picton Uranium Mines Ltd. | | | |
| | Incorporated | 63 | 1 | 58 |
| 9 | Picton Uranium Mines Ltd. | | | |
| | Wanapitei L. area, Sudbury Dist. | MP82 | | 112 |
| 8 | Picton-Leclerc Property | | | |
| | Maclennan Tp., Sudbury Dist. | | | |
| | mining property, report on | MRC9 | | 78 |
| 9 | Pyrrhotite | | | |
| | Maclennan Tp., Sudbury Dist. | MP70 | | 312 |
| 9 | Sheppard Occurrence | | | |
| | Maclennan Tp., Sudbury Dist. | | | |
| | report on property | MDC18 | | 108-109 |

# ODM GENERAL INDEX SEARCH

Words searched:

| Index Volume | Listing: | Report Volume | Part | Page |
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| 9 | Skead | | | |
| | Maclennan Tp., Sudbury Dist. | GR181 | | 91 |
| 7 | Skead, Maclennan Tp. | | | |
| | Rocks | GR2 | | 7, 23 |
| | Radioactive | GR2 | | 9, 11 |
| 9 | Skead Gold Mine | | | |
| | Wanapitei L. area, Sudbury Dist. | MP82 | | 112 |
| 7 | Skead Gold Mine, Maclennan Tp. | | | |
| | Report on | GR2 | | 27, 28 |
| | Rocks | GR2 | | 7, 23 |
| | Sketch map with | GR2 | | |
| 9 | Skead Prospect | | | |
| | Maclennan Tp., Sudbury Dist. | | | |
| | report on property | MDC18 | | 74 |
| 7 | Uranium | | | |
| | Sudbury District: | | | |
| | Wanapitei Lake area | GR2 | | 10, 29 |
| 7 | Victor Nickel-Copper Mine, Maclennan Tp. | | | |
| | Location. See Map No. 2009 with | GR2 | | |
| | Operations (1960) | 70 | | 92, 95 |
| 2 | Victor Nickel Mine, Maclennan Tp. | | | |
| | Acquired by British America Nickel Corp'n. | N.C. | | A15 |
| | Exploratory work | N.C. | | R50,203 |
| 6 | Victor Nickel Mine, Sudbury area | | | |
| | Operations (1959) | 69 | 2 | 87 |
| 6 | Wanapitei Lake, N.E. of Sudbury | | | |
| | Rocks, structure | 66 | 6 | 4, 9 |
| | See also Map 1957-6 with | 66 | 6 | |
| 9 | Wanapitei Lake (Southern) Area & Mackelcan Tp., Sudbury Dist. | | | |
| | summary of field work, 1978 by B. Dressler | MP82 | | 111-115 |
| 2 | Watson, John T. | | | |
| | Nickel discovery, Pyrrhotite Lake | N.C. | | R49 |

GDIF FORM NO. 8

# ODM GENERAL INDEX SEARCH

**Words searched:**

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 2 | Woods, Robert<br>Nickel discovery, Blue Lake<br>Maclennan Tp. | N.C. | | R49 |

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | REGIONAL GEOLOGICAL COMPILATION MAPS | | |
| Card, K. D. | 1966-67 | Sudbury Mining Area | O.D.M. Map 2170 | 1" = 1 mile |
| Card, K. D., Lumbers, S. B. | 1974-75 | Sudbury Cobalt Geological Compilation (revised) | O.G.S. Map 2361 | 1" = 4 miles |
| Dressler, B. O. | 1984 | Sudbury Geological Compilation | O.G.S. Map 2491 | 1:50,000 |
| | 1983 | Sudbury Mining Area East Part | O.G.S. Map 2603 | 1:50,000 |
| Lumbers, S. B. | 1973 | River Valley Area, Districts of Nipissing and Sudbury | O.D.M. Map P.844 | 1" = 1 mile |
| Meyn, H. D. | 1966 | Capreol Sheet | O.G.S. Map P.367 | 1" = 2 miles |
| Thomson, J. E. | 1957 | Southeast Part of the Sudbury Area | O.D.M. Map 1957-6 | 1" = 1 mile |
| | | GEOPHYSICAL MAPS | | |
| Dept. of E.M.R. | 1965 | Aeromagnetic Map - Capreol Sheet | G.S.C. Map 1511G | 1" = 1 mile |
| G. H. D. Consultant | ? | Aeromagnetic Map - Sudbury Research Project | Map 2 | 1" = ½ mile |
| Gupta, V. K. | 1981 | Bouguer Gravity and Generalized Geology Map, Sudbury-Onaping Lake | O.G.S. Map P.2482 | 1:100,000 |
| O.D.M. - G.S.C. | 1965 | Aeromagnetic Map - Sudbury Sheet | 7067G | 1" = 4 miles |
| O.D.M. - G.S.C. | 1976 | Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey Sudbury | P.1610 | 1:250,000 |

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| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING | | |
| Burwasser, G. J. | 1979 | Quarternary Geology of the Sudbury Basin Area | O.G.S. Report 181 Map 2397 | 1:50,000 |
| Dept. of E.M.R. | 1975 | Topographic Map - Capreol | | 1:50,000 |
| Gartner, J. F. | 1980 | N.O.E.G.T.S. Data Base Map Capreol<br>N.O.E.G.T. Study 95 Capreol | Map 5001 | 1:100,000 |
| | | MINERAL POTENTIAL MAPS | | |
| Gordon, J. B. | 1977 | Gold deposits of Ontario East Central Sheet | P.1228 | 1" = 16 miles |
| Innes, D. G. and Jost, M. | 1977 | Nickel deposits of Ontario East Central Sheet | P.1062 | 1" = 16 miles |
| Robertson, James A. | 1982 | Uranium and Thorium deposits of Ontario East Central Sheet | P.2426 | 1" = 16 miles |
| Robertson, James A., Vos, M. A., and Springer, Janet | 1976 | Mineral Potential Map of Ontario East Central Sheet | P.1099 | 1" = 16 miles |
| Springer, Janet | 1978 | Ontario Mineral Potential Northern Part of Sudbury Sheet and Part of North Bay Sheet | O.G.S. Map P.1511 | 1:250,000 |
| | | GEOCHEMICAL | | |
| | | None as of December 17, 1986 | | |
| | | GEOLOGICAL REPORTS AND MAPS | | |
| Adlington, R. | 1981 | Maclennan Township, Sudbury Data Series | O.G.S. Map P.2443 | 1" = ¼ mile |

GDIF FORM NO.

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
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| Card, K. D., and Hutchinson, R. W. | 1972 | The Sudbury Structure: its regional geological setting | G.A.C. Special Paper 10 | pp. 67-78 |
| Card, K. D., Innes, D. G., Debicki, R. L. | 1977 | Stratigraphy, sedimentology and petrology of the Huronian Supergroup in the Sudbury-Espanola Area | O.G.S. Study 16 | |
| Coleman, A. P. | 1924 | Geology of the Sudbury nickel deposits | Econ. Geol. 19(5) | pp. 565-576 |
| Collins, W. H. | 1936 | Sudbury Series | G.S.C. Bull. 47(2) | pp. 1675-1690 |
| | 1913 | Geology of a portion of Sudbury Map - Area south of Wanapitei Lake, Ontario | G.S.C. Sum. Rept. Map 124A | pp. 189-195 |
| Dressler, B. O. | 1982 | Geology of the Wanapitei Lake Area | GR 213<br>Maps 2450 & 2451 | 1" = ½ mile |
| | 1981 | Massey Bay | O.G.S. Map 2451 | 1" = ½ mile |
| | 1980 | Wanapitei Lake Area, Southern Part | O.G.S. Map P.2228 | 1" = ¼ mile |
| Giblin, P. E. | 1984 | The geology and ore deposits of the Sudbury Structure | O.G.S. Spec. Vol.1 | |
| Kindle, L. F. | 1933 | Moose Mountain-Wanapitei Area | AR Vol. 41, pt. 4<br>COLMAP 41E | pp. 29-49<br>4" = 3 miles |
| Muir, T. L., Rebic, Zlata, and Dressler, B. O. | 1980 | Capreol Area - East Part | Map P.2378 | 1" = ¼ mile |

GDIF FORM NO.

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Murray, A. | 1856 | On the geology and topography of the Sturgeon, Maskinonge, French and Wanapitei rivers, and Whitefish River and its lakes | G.S.C. Rept of Prog | pp. 145-190 |
| Quirke, T. T. | 1922 | Wanapitei Lake Map - area | G.S.C. Sum. Rept. Map 1948 | pp. 34-50 |
| Roscoe, S. M. | 1969 | Huronian Rocks and Uraniferous Conglomerates in the Canadian Shield | G.S.C. Paper 68-40 | |
| Thomson, J. E. | 1960 | Maclennan Township, District of Sudbury | O.D.M. Map P.52 | 1" = ¼ mile |
| | 1961 | Maclennan and Scadding townships, District of Sudbury | GR2 Map 2009 | 1" = ½ mile |
| Wright, J. F. | 1958 | Sudbury, Ontario | G.S.C. Map 1063A | 1" = 8 miles |
| | | JOURNAL ARTICLES, THESES, TECHNICAL REPORTS | | |
| Arengi, Joseph T. | 1977 | Sedimentary evolution of the Sudbury Basin, Ontario | Sudbury Theses on File | |
| Barlow, A. E. | 1906 | On the origin and relations of the nickel and copper deposits of Sudbury, Ontario, Canada | Econ. Geol. 1 | pp. 454-466 |
| Bedell, Frank G. | 1906 | The Sudbury mining district; Ph.D., University of Kansas | MP-2 | |
| Bell, J. M. | 1920 | The nickel-copper mines of Sudbury | Mining Magazine 23(2) | pp. 87-94 |
| Bell, R. | 1891 | Report on the Sudbury Mining District | Sudbury File | |



GDIF FORM NO. 9

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Bell, R., cont'd | 1891 | The nickel and copper deposits of Sudbury District, Canada | G.S.A. Bull. Vol.2 | pp. 125-140 |
| Broucoum, S. J. Dalziel, I. W. D. | 1974 | The Sudbury Basin, the Southern Province, the Grenville Front and the Penokean Orogeny | G.S.A. Bull. 85(4) | pp. 1571-1580 |
| Burton, A. | 1983 | The Sheppard Showing; a pyrite-arsenopyrite-gold occurrence | Sudbury Theses on File | |
| Card, Kenneth Darius | 1959 | The uranium-bearing Huronian sediments of the Sudbury District; B.Sc., Queen's University | MP2 | |
| Carter, O. F. | 1936 | The structural features of the gold deposits of Ontario; M.A., University of Toronto | MP2 | |
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| Clauson, Victor | 1947 | Geology of the Sudbury Basin Area, Ontario, Canada; Ph.D., University of Washington | MP2 | |
| Coleman, A. P. | 1902 | The Sudbury nickel deposits | AR5 | p. 273 |
| Dence, M. J., Popelar, J. | 1972 | Evidence for an impact origin for Lake Wanapitei, Ontario | G.A.C. Special Paper 10 | pp. 117-124 |
| Dickson, C. W. | 1903 | The Ore-deposits of Sudbury, Ontario | Sudbury Theses on File | |
| Gibson, Thos W. | 1937 | Mining in Ontario | D.O.M. | pp. 92-93 |
| Gordon, J. B., et al | 1979 | Gold deposits of Ontario | MDC18 | pp. 73-74, 108-109 |

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| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Haw, V. A. | 1948 | Further studies of nickel ores of the Sudbury Basin; M.Sc., Queen's University | MP2 | |
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| Henderson, J. R. | 1967 | Structural and petrographic relations across the Grenville Province, Southern Province boundary, Sudbury, Ontario | Sudbury Theses on File | |
| Mohide, T. P., Warden, C.L., and Mason, J. D. | 1977 | Towards a nickel policy for the Province of Ontario | MPBP4 | p. 82 |
| Robertson, James A. | 1968 | Uranium and thorium deposits of Northern Ontario | MRC9 | pp. 78, 85, 86 |
| Robertson, James A., and Gould, Kerry L. | 1983 | Uranium and thorium deposits of Northern Ontario | MDC25 | p. 107 |
| Royal Ontario Nickel Commission | 1917 | Report of the Royal Ontario Nickel Commission | | |
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| Silver, L. P. | 1902 | The sulphide ore bodies of the Sudbury region | J. Can. Min. Inst. Vol. 5 | pp. 528-551 |
| Thomson, Jas. E., et al | 1957 | Copper, nickel, lead and zinc deposits in Ontario | MRC2 | pp. 93, 97 |
| Young, G. A. | 1903 | On surveys between Rabbit and Temagami Lakes | G.S.C. Sum. Rept. | pp. 195-198 |

GDIF FORM NO.9

AERIAL PHOTOGRAPHS INDEX

Scale 1" = ¼ mile

Sudbury Files

| Year | Roll | Line | Number |
|---|---|---|---|
| 1970 | 26 | 4629 | 143-145 |
| | 29 | 4628 | 12-18 |
| | 29 | 4627 | 65-68 |
| | 27 | 4626 | 14, 15 |
| 1946 | 35 | 146 | 75-82 |
| | 31 | 147 | 78-84 |
| | 30 | 148 | 24A-29A, 8-12 |
| | 30 | 149 | 40-46 |

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 378

(Map 1 of 2)

# MACLENNAN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

46°44'30"

80°48'00"

Wanapitei Lake

13

McClouds Pt.

Higgins

Blueberry

Oak Island

15

8

Howie Island

MacLennan I.

Wanapitei I.

Redrock Pt.

17

9

12

16

Blue Lake

28

22

18

19

25

26

16,22

Massey

1

EOL

DING

CAPREOL

SCADDING

80°41'00"

46°38'00"

FALCONBRIDGE

Massey Bay

Boland's Bay

Hagarty Lake

Blue Lake

Wanapitei Lake

Bonanza Lake

Newton's Pothole

SUDBURY AIRPORT

CANADIAN NATIONAL

## EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

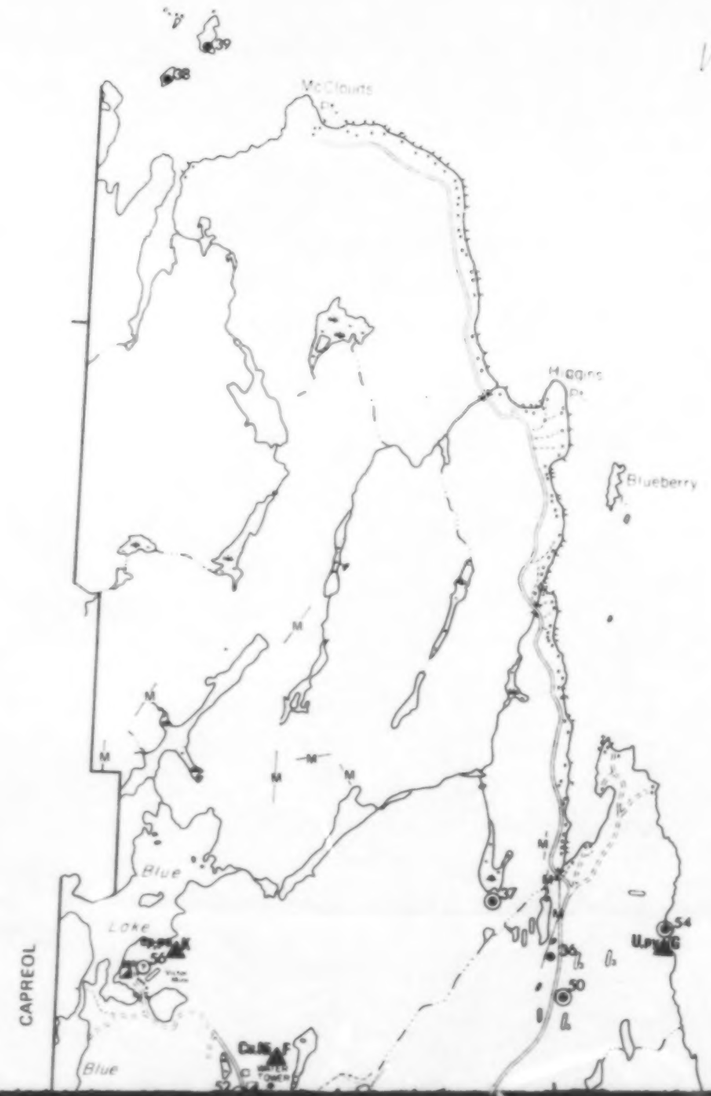
TYPES OF DATA SHOWN ON THIS MAP

## GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

## GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  ( VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16 )
- Ground radiometric anomaly



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 378

(Map 2 of 2)

# MACLENNAN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

46°44'30"

80°48'00"

Wanapitei Lake

McClouds

Hagans Pt.

Blueberry

Massey

CAPREOL

Blue

Lake

Blue

Oak Island

Howie Island

MacLennan I.

Redrock Pt.

Wanapitei I.

AM

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

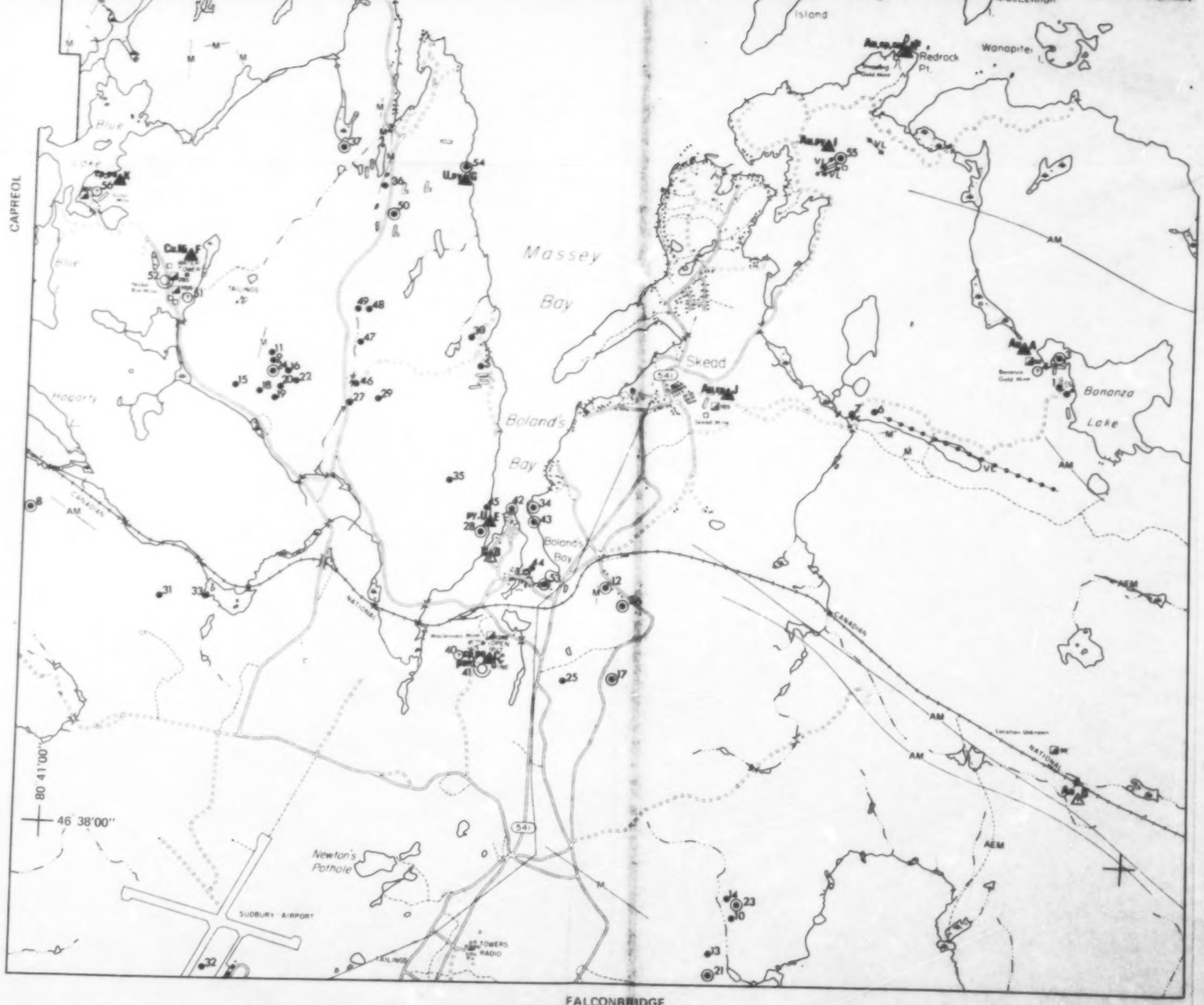
MINERAL OCCURRENCES

- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  ( VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16 )
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly
- Airborne Electromagnetometer Anomaly

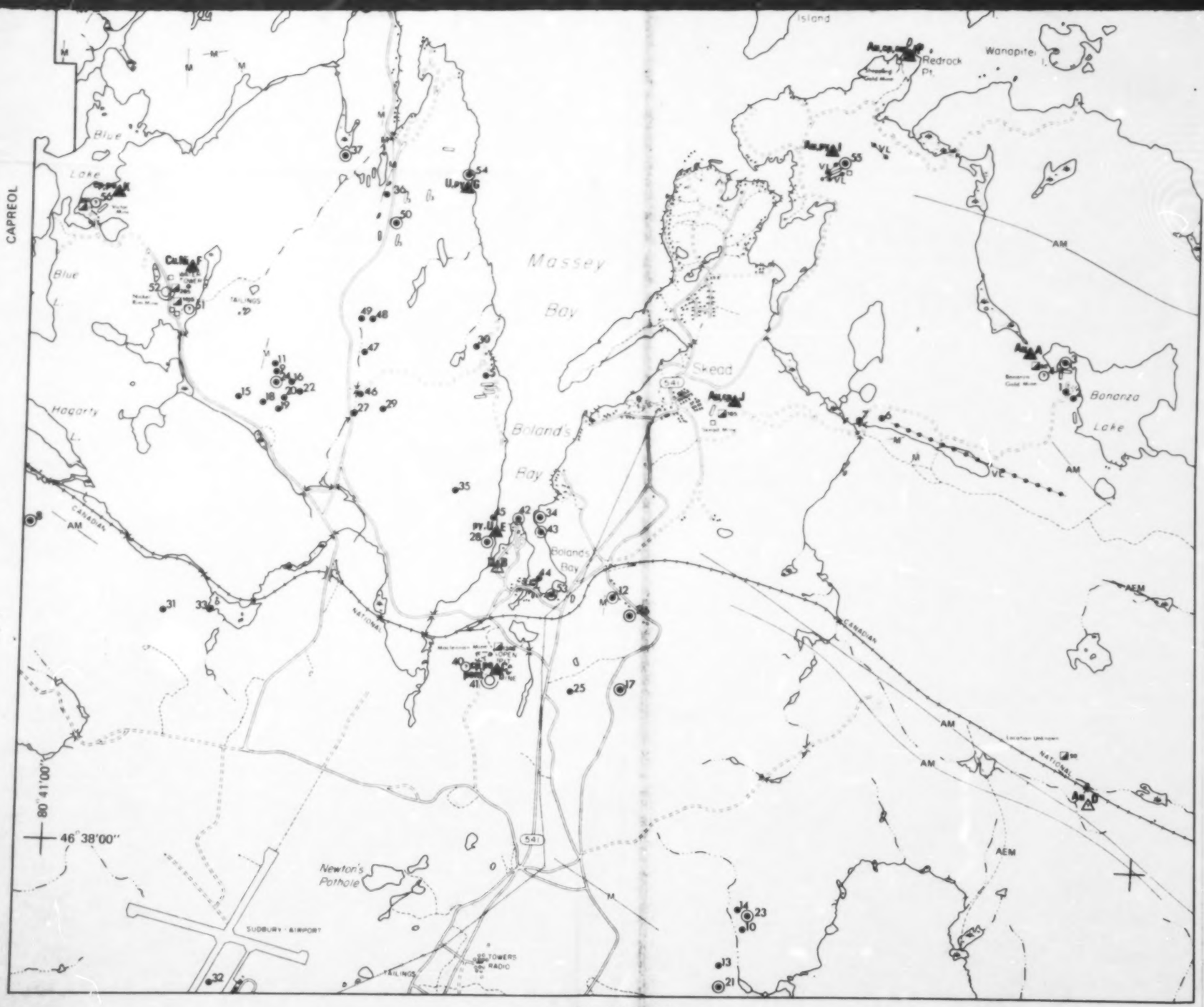
**MISCELLANEOUS DATA**

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.




FALCONBRIDGE




FALCONBRIDGE

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

### DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number